

## ***Interactive comment on “Ozone air quality during the 2008 Beijing Olympics – effectiveness of emission restrictions” by Y. Wang et al.***

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A creative approach and a very interesting paper!

Having performed a similar study I am intrigued by the approach of your paper. I would like to learn some more about your data and your quantification procedures. Please allow me to ask some questions, hoping that they will also help you further improve your paper:

- You are comparing the 2008 situation to 2006 and 2007 data. Do you have any estimate how representative the conditions in those two reference years were?
- From Chapter 2 I understand the measurement site has been in operation since

C1528

November 2004. Why did you choose not to include 2005 data in your study?

- The meteorological data used in explaining O<sub>3</sub> deviations in different wind situations in section 3.2 seem to be monthly averages. I would expect daily variation to play a role. If you have performed any analysis on daily data the paper would probably profit from showing it here.
- If I understand the paper correctly, you estimate the SO<sub>2</sub> reduction as the average of SO<sub>2</sub> reductions in various meteorological classes. Do all of these classes occur with the same frequency or do you include a weighting in the averaging process? Also, I would expect that in situations with low wind speeds measured SO<sub>2</sub> concentrations are influenced by Beijing SO<sub>2</sub> to a smaller extent. How do you account for that?

I would be very grateful for some answers to satisfy my curiosity and I am looking forward to reading the final paper soon!

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